Signature

October 20, 2003

Approved for use through 10/31/2002. OMB 0651-0032

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UTILITY PATENT APPLICATION TRANSMITTAL

2867-206 Attorney Docket No. First Inventor Joseph Smart et al. SURFACE PASSIVATION OF GaN DEVICES IN EPITAXIAL Title **GROWTH CHAMBER**

EV086422105US Express Mail Label No. (Only for new nonprovisional applications under 37 C.F.R. 1.53(b)) Mail Stop Patent Application APPLICATION ELEMENTS Commissioner for Patents ADDRESS TO: PO Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria, VA 22313-1450 7. CD-ROM or CD-R in duplicate, large table or 1. 🛛 Fee Transmittal Form (e.g., PTO/SB/17) Computer Program (Appendix) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission 2. (if applicable, all necessary) See 37 CFR 1.27. a. Computer Readable Form (CRF) з. 🛛 Specification [Total Pages 13 (preferred arrangement set forth below) b. Specification Sequence Listing on: - Descriptive title of the Invention i. CD-ROM or CD-R (2 copies); or - Cross References to Related Applications ii. 🔲 paper - Statement Regarding Fed sponsored R & D c. Statements verifying identity of above copies - Reference to sequence listing, a table, or a computer program listing appendix ACCOMPANYING APPLICATIONS PARTS Background of the Invention - Brief Summary of the Invention 9. 🛛 Assignment Papers (cover sheet & document(s)) - Brief Description of the Drawings (if filed) 10. 🔯 37 C.F.R.§3.73(b) Statement Power of - Detailed Description Attorney (when there is an assignee) - Claim(s) - Abstract of the Disclosure 11. English Translation Document (if applicable) Drawing(s) (35 U.S.C.113) [Total Sheets] Copies of IDS 12. 🔲 Information Disclosure 4. 🔯 Citations Statement (IDS)/PTO-1449 5. Oath or Declaration [Total Pages 3 13. \square Preliminary Amendment a. Newly executed (original or copy) Return Receipt Postcard (MPEP 503) 14. b. Opy from a prior application (37 CFR 1.63 (d)) (Should be specifically itemized) (for a continuation/divisional with Box 18 completed) 15. 🔲 Certified Copy of Priority Document(s) i. DELETION OF INVENTOR(S) (if foreign priority is claimed) Signed statement attached deleting inventor(s) 16. 🖾 Request and Certification under 35 U.S.C. 122 named in the prior application, see 37 CFR (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). or its equivalent. 6. Application Data Sheet. See 37 CFR 1.76 17. 🔲 Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: ☐ Continuation-in-part (CIP) of prior application No: _ ☐ Continuation □ Divisional Group / Art Unit: Examiner Prior application information: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omltted from the submitted application parts. 17. CORRESPONDENCE ADDRESS 27820 or

Correspondence address below □ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Name Address City State Zip Code Country Telephone Benjamin S. Withrow Attorney/Agent) 40.876 Name (Print/Type)

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.



PTO/SB/17 (11-00)

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FEE TRANSMITTAL for FY 2004		Complete if Known		
		Application Number		
		Filing Date		
Patent fees are subject to annual revision.		First Named Inventor	Joseph Smart et al.	
		Examiner Name		
		Group / Art Unit		
TOTAL AMOUNT OF PAYMENT	(\$) 972	Attorney Docket No.	2867-206	

TOTAL AMOU	NIOFFAIII	ENT (\$) 9/2		711101110	y DOCKE		<u> </u>		
METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)							
The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:			ITIONAL Large Entity		Small Entity		Fee		
Deposit Account 50-1732 Number		Fee Code	Fee (\$)	Fee Code 2051	Fee (\$) 65	Fee Description Surcharge - late filing fee or oath	Pald		
		1051 1052	130 50	2052	25	Surcharge - late provisional filing fee or cover sheet.			
Deposit			1053	130	1053	130	Non-English specification		
Account Withrow & Terranova, PLLC Name			1812	2,520	1812	2,520	For filing a request for reexamination		
Name Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17			1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		
Applicant claims small entity status. See 37 CFR 1.27			1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
2. A Payment Enclosed:			1251	110	2251	55	Extension for reply within first month		
☐ Check ☑ Credit card ☐ Money ☐ Other			1252	420	2252	210	Extension for reply within second month		
	555.04	Order		1253	950	2253	475	Extension for reply within third month	
1. BASIC FIL		ALCOLATION		1254	1,480	2254	740	Extension for reply within fourth month	
Large Entity S				1255	2,010	2255	1,005	Extension for reply within fifth month	
		Fee Description		1401	330	2401	165	Notice of Appeal	
	Code (\$)	Fee Pald	_	1402	330	2402	165	Filing a brief in support of an appeal	
		Utility filing fee 770	\dashv	1403	290	2403	145	Request for oral hearing	
1002		Design filing fee Plant filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1004 770	2004 385	Reissue filing fee		1452	110	2452	55	Petition to revive – unavoidable	
1005 160	2005 80	Provisional filling fee		1453	1,330	2453	665	Petition to revive – unintentional	
(4) 770		1501	1,330	2501	665	Utility issue fee (or reissue)			
SUBTOTAL (1) (\$) 770		1502	480	2502	240	Design issue fee			
2. EXTRA CLAIN	A FEES			1503	640	2503	320	Plant issue fee	
		Extra Fee from Fee		1460	130	1460	130	Petitions to the Commissioner	
Total Claims 29	-20** = [Claims below Paid 9 X 18 = 162		1807	50	1807	50	Processing fee for provisional applications	
Independent Claims 2	-3** =	0 X 86 = 0		1806	180	1806	180	Submission of Information Disclosure Stmt	
Multiple Dependent		x = 0		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
Large Entity	Small Entity Fee Fee	y Fee Description		1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
Code (\$) 1202 18	Code (\$) 2202 9	Claims in excess of 20		1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1201 86	2201 43	Independent claims in excess of 3		1801	770	2801	385	Request for Continued Examination	
1203 290	2203 145	Multiple dependent claim, if not pa		1,30,		200	500	(RCE)	
1204 86	2204 43	** Reissue independent claims ove original patent			900	1802	900	Request for expedited examination of a design application	
1205 18	2205 9	** Reissue claims in excess of 20 over original patent	and						
	s	UBTOTAL (2) (\$) 162		Other	fee (spec	ify)	_		
**or number previo	ousty paid, if greater	r; For Reissues, see above		*Redu	iced by B	asic Fil	ng Fee F	Paid SUBTOTAL (3) (\$) 40	
			_						

SUBMITTED BY			Con	nplete (if applicable)
Name (Print/Type)	Benjamp S. Withow	Registration No. Attorney Agent)	40,876 Telephone	(919) 654-4520
Signature	1/1//		Date	October 20, 2003

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REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)

First Named Inventor		Joseph Smart et al.		
Title	SURFACE PASS GROWTH CHAM	IVATION OF GAN DEVICES IN EPITAXIAL IBER		
Atty Docket Number		2867-206		

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

October 20, 2003

Date

Benjamin S. Withrow, Reg. No. 40,876

Typed or printed name

Signature

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, USPTO, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

CERTIFICATE OF MAILING/EXPRESS MAIL

"Express Mail" Mailing Label Number EV086422105US

Date of Deposit October 20, 2003

I hereby certify that this paper, which is a Utility Patent Application entitled SURFACE PASSIVATION OF GaN DEVICES IN EPITAXIAL GROWTH CHAMBER (our file 2867-206), and the attached fee are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Mail Stop Patent Application, PO Box 1450, Alexandria, VA 22313-1450.

Mailed By:

Kelly A. Farrow

EA08P45570202